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APPLICATION NO.	FIL DIG D A TO		washington, D.C. 20231 www.uspto.gov	TRADEMARKS
09/648,919	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIDNATION
21186 75	08/25/2000 90 04/01/2002	Kenneth W. Marr	303.632US1	CONFIRMATION NO.
P.O. BOX 2938 MINNEAPOLIS	N, LUNDBERG, WOES S, MN 55402	ESSNER & KLUTH, P.A.	examiner NGO, NGAN V	
			ART UNIT 2814	PAPER NUMBER
			DATE MAILED: 04/01/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.					
•			Applicant(s)				
•	Office Action Summary	09/648,919	MARR, KENNETH W.				
	•	Examiner	Art Unit				
Dominate	The MAILING DATE of this communication ann	Ngan Ngo	2814				
1	The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
after after - If the - If NC - Failt - Any earn	MORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.13 r SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period will be period for reply within the set or extended period for reply will, by statute, or reply received by the Office later than three months after the mailing of ed patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days	ely filed will be considered timely.				
Status	, same 335 57 57 K 1.704(B).	man, even it timely filed,	may reduce any				
1)[\infty]	Responsive to communication(s) filed on <u>04 M</u>	arch 2002					
2a) □	This action is FINAL . 2b)⊠ This	action is non-final					
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
4)⊠ Claim(s) <u>1-29</u> is/are pending in the application.							
4	4a) Of the above claim(s) <u>8-12 and 14-16</u> is/are withdrawn from consideration.						
of Chairi(s) is/are allowed.							
6)🛛 (6)⊠ Claim(s) <u>1-7,13 and 17-29</u> is/are rejected.						
7) 🗌 (7) Claim(s) is/are objected to.						
8) (Applicatio	8) Claim(s) are subject to restriction and/or election requirement. Application Papers						
9) The specification is objected to by the Examiner.							
10)□ Tr	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that are stated in						
The state of the drough of the							
11) Th	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
1	If approved, corrected drawings are required in reply to this Office action.						
12) Th	12) The oath or declaration is objected to by the Examiner.						
Priority und	Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) □ .	a) ☐ All b) ☐ Some * c) ☐ None of:						
1.[1. Certified copies of the priority documents have been received.						
2.[2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified period						
3.[- This of the certified (innies of the priority day)						
066	3. Copies of the certified copies of the priority documents have been received in this National Stage * See the attached detailed Office action for a list of the certified copies not received.						
/	y and the difference of a claim for domestic priority under 35 LLC C. 2.4444						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
1) Notice of References Cited (PTO-892)							
2) L Notice of [Oraffsperson's Patent Drawing B	4) Interview Summary (PTO-	413) Paner No(s)				
	Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal Patent A	Application (PTO-152)				
J.S. Patent and Tradema PTO-326 (Rev. 04-	rk Office						

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The election filed March 4, 2002 has been entered and made of record as paper no. 7.

Applicant's election without traverse of species 1 (figures 3-5) in Paper No. 7 is acknowledged.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7, 13, and 17-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Duvvury et al (US-5493133).

Duvvury discloses an ESD protection circuit in figure 2 comprising a substrate (44), a first doped region (54) and a second doped region (52) separated from the first doped region by only the substrate region in which the ESD protection device does not have a gate electrode. It would have been obvious that Duvvury teaches the claimed device.

Claims 23-26 and 28 are alternatively rejected under 35 U.S.C. 103(a) as being unpatentable over Duvvury in view of Mackawa.

Mackawa discloses an ESD protection circuit comprising two voltage sources (VDD and GND), an external bonding pad (1704), and two protection circuits (1700 and 1702). It would have been obvious to combine the teachings of Duvvury and Mackawa to form the claimed device.

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The other references are cited to show other structures pertinent to Applicant's disclosure.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (703) 308-4938. The fax number for the Art unit is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Alman Van Alma

Ngan Van Ngo Primary Examiner

Ngan Ngo

March 21, 2002